



# STP® Super Concentrated Fuel Injector Cleaner

**1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

## STP® Super Concentrated Fuel Injector Cleaner

**First Brands Corporation**  
 83 Wooster Heights Road  
 Building 301  
 Danbury, CT 06813-1911  
 Telephone: (203) 731-2300

**Product Type** Gasoline Additive

**Stock** ST2073, ST2075, ST2079, ST2076, ST2075CAN, 9552X, ST2375, ST2073CAN, ST2375, ST2078

**Formula** 13375-188M, 13375-188J, 13626-163

**Transportation Emergency Phone #** (CHEMTREC) 1-800-424-9300

**2 COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous Materials	Material	%	CAS #	Exposure Limit	Source
	Petroleum Distillates	80-100	8052-41-3 64742-88-7 64742-95-6 64742-81-0 8008-20-6	100 ppm TWA 500 ppm TWA	(2) (1)
	1,2,4-Trimethylbenzene	1-7	95-63-6	25 ppm TWA	(2)
	1,3,5-Trimethylbenzene	0-5	108-67-8	25 ppm TWA	(2)
	Naphthalene	0-2	91-20-3	10 ppm TWA 15 ppm STEL	(3) (2)
	Hydrotreated or Solvent Refined Petroleum Distillates	0-15	64742-54-7 64741-88-4	5 mg/m3 TWA	(3)
	Proprietary Ingredients	0-10	Mixture	None Established	(3)
Non-Hazardous Ingredients Greater than 1%	Proprietary Additive	0-15	Mixture-	None Established	(3)

None of the ingredients is listed as a carcinogen or potential carcinogen by IARC, NTP or OSHA.



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## COMPOSITION / INFORMATION ON INGREDIENTS (continued)

The Permissible Exposure Limits (PEL) reported above are the pre-1989 limits that were reinstated by OSHA following a decision by the 11<sup>th</sup> Circuit Court of Appeals. These PELs are being enforced by Federal OSHA. Be aware that more restrictive limits may be enforced by some states. First Brands Corporation recommends that the lower exposure limits be observed as reasonable worker protection.

The source for exposure limits listed above are:

1. OSHA Permissible Exposure Limit (PEL)
2. ACGIH Threshold Limit Value (TLV)
3. Both the OSHA PEL and ACGIH TLV
4. Recommended by the Manufacturer

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## HAZARDS IDENTIFICATION

### Principal Hazards

### Warning

- Accidental ingestion of a small amount of this material may cause gastrointestinal disturbances including irritation, nausea, vomiting and diarrhea. A very large ingestion could result in headache, dizziness, coma, respiratory arrest and death.
- This material is an aspiration hazard; product can enter the lungs during swallowing or vomiting and cause lung damage.
- Irritating to the eyes, skin and respiratory tract.
- Breathing vapors may cause harmful central nervous system effects including headache, dizziness, drowsiness, loss of consciousness and death.
- Combustible liquid. Product may present a moderate fire and explosion hazard.
- May cause chronic health effects.

See Section 11 for complete health hazard information

### KEEP OUT OF REACH OF CHILDREN

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## FIRST AID

### Swallowing

Get immediate medical attention by calling a Poison Control Center or hospital emergency room. Do not make person vomit unless instructed to do so by medical personnel. If medical advice cannot be obtained, then take the person and product to the nearest medical for emergency treatment center or hospital. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs.



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## 4 FIRST AID (continued)

<b>Skin</b>	Remove contaminated clothing immediately. Wash all affected and exposed areas with soap and water. If skin irritation or redness persists seek medical attention.
<b>Inhalation</b>	Remove affected person from source of exposure. If breathing becomes difficult, administer oxygen. Administer artificial respiration if breathing has stopped. Seek medical attention.
<b>Eyes</b>	Exposed eyes should be immediately flushed with copious amounts of water using a steady stream for a minimum of 15 minutes. If irritation, pain, swelling or tearing persist, seek medical attention.
<b>Notes To Physician</b>	There is no specific antidote. Treatment should be directed at the control of symptoms and clinical conditions. If clinically indicated, stomach contents should be evacuated quickly in a manner which avoids aspiration. A serious potential toxic effect is aspiration pneumonitis, which may lead to non-cardiogenic pulmonary edema. The patient should be observed for signs of lung injury if aspiration is suspected. Large ingestions may result in naphthalene toxicity with hemolysis, fever, anemia, methemoglobinemia, seizures, acute renal failure and coma especially in patients with glucose-6-phosphate dehydrogenase deficiency, sickle cell anemia or sickle trait.

## 5 FIRE FIGHTING MEASURES

<b>Flash Point (Method)</b>	148 °F (64 °C) (TOC) 130 °F (54 °C) (Setaflash)
<b>Upper Flammable Limit</b>	Not determined
<b>Lower Flammable Limit</b>	Not determined
<b>Extinguishing Media</b>	Water fog, foam, carbon dioxide, dry chemical
<b>Special Firefighting Procedures</b>	Use positive pressure self contained breathing apparatus when entering a confined space.
<b>Unusual Fire and Explosion Hazards</b>	Combustible liquid. Product may form combustible mixtures at temperatures at or above the flashpoint. Vapors are heavier than air and may travel along surfaces to a remote ignition source and flash back.



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## 5 FIRE FIGHTING MEASURES (continued)

<b>Combustion Decomposition</b>	Carbon monoxide, carbon dioxide and asphyxiants.
<b>Auto-ignition Temperature</b>	Not determined
<b>Explosion Data</b>	Vapors may form explosive mixtures with air. Runoff to sewer may cause fire or explosion hazard.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Spill</b>	Wear appropriate personal protective equipment and remove all sources of ignition. Collect material for disposal in a container suitable for flammable waste.
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## 7 HANDLING AND STORAGE

<b>Handling Procedures</b>	<ul style="list-style-type: none"><li>• Harmful or Fatal if Swallowed. Contains mineral spirits.</li><li>• Avoid contact with eyes.</li><li>• Avoid contact with the skin and clothing.</li><li>• Avoid breathing vapors.</li><li>• Keep away from heat sources, sparks and flame.</li><li>• Wash exposed skin with soap and water after use.</li><li>• Use only with adequate ventilation.</li><li>• Keep containers closed when not in use.</li><li>• Empty containers may retain hazardous residues.</li><li>• Do not cut or weld on or near empty or full drums.</li></ul>
<b>Storage Procedures</b>	Do not store near potential sources of ignition. Store in a cool, dry well ventilated area away from heat, oxidizers and all sources of ignition.
<b>Ventilation Procedures</b>	General ventilation should be adequate for normal use. For operations where the TLV may be exceeded, mechanical ventilation such as local exhaust may be needed to maintain exposure levels below applicable limits.



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## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Gloves Protection</b>	Chemical resistant gloves such as neoprene, nitrile or rubber are recommended where needed to prevent prolonged / repeated skin contact.
<b>Eye Protection</b>	Safety glasses or splash-proof goggles recommended if needed to prevent eye contact.
<b>Respiratory Protection</b>	None needed under normal use conditions. For operations where the TLV may be exceeded, a NIOSH/MSHA approved organic vapor respirator or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration, select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.
<b>Clothing Recommendation</b>	Protective clothing if needed to avoid prolonged / repeated skin contact. Suitable washing and eye flushing facilities should be available in the work area. Contaminated clothing should be removed and laundered before re-use.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Vapor Pressure</b>	Not determined
<b>pH</b>	Not applicable
<b>Specific Gravity</b>	6.6-7.1 lbs/gal
<b>Water Solubility</b>	Below 0.1%
<b>Percent Volatile</b>	90-100%
<b>Vapor Density</b>	Not determined
<b>Evaporation Rate</b>	Not determined
<b>Odor</b>	Hydrocarbon odor
<b>Appearance</b>	Clear to light amber liquid
<b>Viscosity</b>	<5 Cst
<b>Boiling Point</b>	325-550°F
<b>Freezing Point</b>	Not determined



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**10 STABILITY AND REACTIVITY**

<b>Stability</b>	Stable
<b>Incompatibility</b>	Strong oxidizing agents
<b>Polymerization</b>	Will not occur
<b>Hazardous Decomposition</b>	Burning can produce carbon monoxide, carbon dioxide and asphyxiants.

**11 TOXICOLOGICAL INFORMATION**

<b>Oral Toxicity</b>	Swallowing may cause gastrointestinal disturbances including irritation, abdominal pain, belching, nausea, vomiting, frequent loose stools and diarrhea. Ingestion of large quantities may cause harmful central nervous system effects similar to those listed under "Inhalation". This material is an aspiration hazard; product can enter the lungs during swallowing or vomiting and cause lung inflammation and damage.
<b>Eye Irritation</b>	This product is not expected to cause prolonged or significant eye irritation. The hazard evaluation is based on data from similar materials..
<b>Skin Irritation</b>	May cause irritation, seen as localized reddening and swelling. Prolonged or repeated exposures to this material may cause redness, burning and drying and cracking of the skin.
<b>Dermal Toxicity</b>	Absorption as from prolonged or massive skin contact may result in toxicity.
<b>Inhalation Toxicity</b>	Excessive inhalation of vapor or mist may cause irritation of the nose, throat and respiratory tract. May cause harmful central nervous system effects including euphoria, headache, dizziness, drowsiness, blurred vision, fatigue, tremors, convulsions, loss of consciousness, coma, respiratory arrest and death.
<b>Acute Toxicity Values</b>	Petroleum Distillates: LD50 Oral rat: >5 gm/kg LC50 Inhalation rat: >5500 mg/m <sup>3</sup> /4 hr 1,2,4-Trimethylbenzene: LD50 Oral rat: 5 gm/kg LC50 Inhalation rat: 18 gm/m <sup>3</sup> /4 hr 1,3,5-Trimethylbenzene: LC50 Inhalation rat: 24 gm/m <sup>3</sup> /4 hr Naphthalene: LD50 Oral rat: 490 mg/kg LC50 Inhalation rat: >340 mg/m <sup>3</sup> /1 hr LD50 Skin rabbit: >20 gm/kg



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## 11 TOXICOLOGICAL INFORMATION (continued)

<b>Sensitization</b>	Based on data from the components this product is not expected to cause skin or respiratory sensitization.
<b>Chronic Toxicity</b>	Reports have associated repeated and prolonged overexposure to petroleum distillates with adverse liver, kidney and bone marrow effects and with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the product may be harmful or fatal.
<b>Carcinogenicity</b>	This product may contain kerosene. Repetitive direct skin application of kerosene over a two year period resulted in skin cancer in laboratory animals. Petroleum hydrocarbons of similar composition and boiling ranges have been known to product kidney damage and tumors in male rats following prolonged inhalation exposures.
<b>Mutagenicity</b>	Kerosene products have been positive in mutagenic test systems.
<b>Reproductive Toxicity and Teratogenicity</b>	Light aromatic solvent naphtha has been found to cause adverse reproductive effects in laboratory animals.

## 12 ECOLOGICAL INFORMATION

<b>Aquatic/Terrestrial Toxicity</b>	No data is available at this time.
<b>Environmental Fate</b>	

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Disposal</b>	Waste material is a RCRA hazardous waste due to ignitibility. Incinerate in accordance with federal, state and local regulations.
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## 14 TRANSPORT INFORMATION

<b>U.S. DOT Non-Bulk Shipping Description</b>	None - Excepted from Hazmat Regulations
<b>ID Number</b>	None
<b>Hazard Class</b>	None
<b>Packing Group</b>	None
<b>Label</b>	None
<b>Markings</b>	
<b>Placards</b>	None
<b>IMDG Code Shipping Description</b>	DANGEROUS GOODS IN LIMITED QUANTITIES OF CLASS 3.3, III, FP 54° C



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**14** **TRANSPORT INFORMATION (continued)**

**Technical Name** CONTAINS: PETROLEUM DISTILLATES  
**ID Number** UN1268  
**Hazard Class** 3.3  
**Packing Group** III  
**Markings** LIMITED QUANTITY ON TRANSPORT CONTAINER/TRAILER  
**Label** NONE  
**Placards** NONE  
**IMDG PG** 0147 - 0149 GEN. INTRO.

**Air - IATA Shipping Description** Petroleum Distillates, n.o.s., 3, UN1268,III (sizes not exceeding 500 mL may be re-classed as Consumer Commodity, 9, ID8000 if they meet the packaging specifications in 910 and weight restrictions)

**Technical Name** None  
**ID Number** UN1268  
**Hazard Class** 3  
**Packing Group** III  
**Markings** Petroleum Distillates, n.o.s., UN1268  
**Label** Flammable Liquid

**15** **REGULATORY INFORMATION**

**U.S. TSCA Inventory/ other TSCA Regulations.** All of the components of this product are listed on the TSCA inventory. This product is subject to export notification.

**SARA Ext. Haz. Subst.** None.

**SARA Section 313** This product contains the following toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (SARA 313 - Toxic Chemical Release Reporting)

<u>Chemical Name</u>	<u>CAS#</u>	<u>Weight %</u>
1,2,4-Trimethylbenzene	95-63-6	1-7
Naphthalene	91-20-3	0-2

**CERCLA Hazardous Substances (Section 103)/RQ** Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center. The RQ for the product, based on the RQ for Naphthalene (2% maximum) of 100 lbs, is 5,000 lbs. Oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.



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15	REGULATORY INFORMATION (continued)
<b>California Proposition 65</b>	This product does not contain chemicals regulated by the State of California under proposition 65.
<b>EEC EINECS</b>	All of the ingredients are listed on the EINECS inventory.
<b>Australia</b>	All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances.
<b>Canada</b>	All of the components of this product are listed on the Canadian Domestic Substances List (DSL).

16	OTHER INFORMATION
<b>NFPA Code</b>	Health: 2    Fire: 2    Reactivity: 0
<b>HMIS Code</b>	Health: 2    Fire: 2    Reactivity: 0
<b>Precautionary Labels</b>	Observe all requirements of plant, company or government regulations. "Empty" containers retain product residue and can be hazardous. Do not re-use empty containers without proper cleaning. Keep out of the reach of children. Do not take internally.
<b>Revision Indicators</b>	Supersedes: November 13, 1998    Revised Sections: Section 15
<b>General</b>	<p>This MSDS is directed to professional users and bulk handlers of the product. Consumer products are labeled in accordance with Federal Hazardous Substances Act regulations.</p> <p>While First Brands Corporation believes that the data contained herein are factual and the opinions expressed are those of qualified experts regarding the results of the tests conducted, the data are not to be taken as a warranty or representation for which First Brands Corporation assumes legal responsibility. They are offered solely for your consideration, investigation and verification. Any use or these data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.</p> <p>Contact:</p> <p>J. O. Funderburk FIRST BRANDS CORPORATION 83 Wooster Heights Road Building 301 Danbury, CT 06813-1911 (203) 731-8943</p>